

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
Minnesota Statutes Chapter 1031

Entry Date 06/15/1990
Update Date 06/02/2014
Received Date

County Scott
Quad Jordan East
Quad ID 90A

211863

Well Name MINN. VALLEY	Township 115	Range 23	Dir Section W 28	Subsection DCDDAB	Well Depth 147 ft.	Depth Completed 147 ft.	Date Well Completed 04/10/1972
Elevation 747 ft. Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method		Drill Fluid
Address C/W 3232 150TH ST W SHAKOPEE MN 55379					Use commercial		Status Active
Stratigraphy Information					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/> From To		
Geological Material From To (ft.) Color Hardness					Casing Type Single casing Joint		
DRIFT-CLAY 0 5					Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below 0 ft.		
SAND SOME ROCKS 5 9					Casing Diameter Weight		
SANDROCK 9 123 WHT/YEL					6 in. To 82 ft. lbs./ft.		
SANDROCK & 123 127					Open Hole From 82 ft. To 147 ft.		
SANDROCK & 127 147 HARD					Screen? <input type="checkbox"/> Type Make		
					Static Water Level 27 ft. land surface Measure 04/10/1972		
					Pumping Level (below land surface)		
					Wellhead Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified		
					Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model Number HP 5 Volt Length of drop pipe ft Capacity g.p. Typ <u>Submersible</u>		
					Abandoned Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Miscellaneous First Bedrock Jordan Sandstone Aquifer Jordan-St. Last Strat St.Lawrence Formation Depth to Bedrock 9 ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 453495 Y 4953568 Unique Number Verification Input Date 01/01/1990		
Remarks					Angled Drill Hole		
					Well Contractor Hartmann Well Co. 40174 Licensee Business Lic. or Reg. No. Name of Driller		

211864

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 02/23/1989
 Update Date 02/12/1996
 Received Date

Well Name LINDSTROM,	Township 115	Range 23	Dir Section W 28	Subsection DDDDBC	Well Depth 127 ft.	Depth Completed 127 ft.	Date Well Completed 09/09/1974
Elevation 766 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)	Drill Method		Drill Fluid			
Address					Use domestic	Status Active	
C/W 3036 150TH ST W SHAKOPEE MN 55379					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/> From To		
Stratigraphy Information					Casing Type Single casing Joint		
Geological Material From To (ft.) Color Hardness					Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below 0 ft.		
CLAY	0	10			Casing Diameter Weight		
SAND	10	20			5 in. To 76 ft. lbs./ft.		
CLAY	20	58			Open Hole From 76 ft. To 127 ft.		
SANDROCK-LIME	58	63		HARD	Screen? <input type="checkbox"/> Type Make		
SANDROCK	63	127			Static Water Level		
					Pumping Level (below land surface)		
					Wellhead Completion		
					Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified		
					Nearest Known Source of Contamination		
					feet Direction Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name		
					Model Number HP 0 Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					Abandoned		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Variance		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Miscellaneous		
					First Bedrock Jordan Sandstone Aquifer Jordan		
					Last Strat Jordan Sandstone Depth to Bedrock 58 ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)		
					System UTM - NAD83, Zone 15, Meters X 453813 Y 4953563		
					Unique Number Verification Input Date 01/01/1990		
					Angled Drill Hole		
					Well Contractor		
					Hartmann Well Co. 40174		
					Licensee Business Lic. or Reg. No. Name of Driller		

Remarks
 237-B-8

211865

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 02/23/1989
 Update Date 02/14/2014
 Received Date

Well Name MINN. VALLEY	Township 115	Range 23	Dir Section W 28	Subsection DDCCBA	Well Depth 132 ft.	Depth Completed 132 ft.	Date Well Completed 06/26/1976																									
Elevation 748 ft. Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method		Drill Fluid																									
Address C/W 3232 150TH ST W SHAKOPEE MN 55379					Use commercial		Status Active																									
Stratigraphy Information					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/> From To																											
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;">Geological Material</th> <th style="width:10%;">From</th> <th style="width:10%;">To (ft.)</th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> </tr> </thead> <tbody> <tr> <td>CLAY</td> <td>0</td> <td>10</td> <td></td> <td></td> </tr> <tr> <td>ROCKS</td> <td>10</td> <td>12</td> <td></td> <td></td> </tr> <tr> <td>SANDROCK</td> <td>12</td> <td>110</td> <td></td> <td></td> </tr> <tr> <td>LIMESTONE</td> <td>110</td> <td>132</td> <td></td> <td>V.HARD</td> </tr> </tbody> </table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	10			ROCKS	10	12			SANDROCK	12	110			LIMESTONE	110	132		V.HARD	Casing Type Single casing Joint		
Geological Material	From	To (ft.)	Color	Hardness																												
CLAY	0	10																														
ROCKS	10	12																														
SANDROCK	12	110																														
LIMESTONE	110	132		V.HARD																												
					Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below 0 ft.																											
					Casing Diameter 8 in. Weight 76 lbs./ft.																											
					Open Hole From 76 ft. To 132 ft.																											
					Screen? <input type="checkbox"/> Type Make																											
					Static Water Level 29 ft. land surface Measure 06/00/1976																											
					Pumping Level (below land surface) 39 ft. hrs. Pumping at 300 g.p.m.																											
					Wellhead Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																											
					Grouting Information Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified																											
					Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No																											
					Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model Number HP 0 Volt Length of drop pipe ft Capacity g.p. Typ																											
					Abandoned Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No																											
					Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No																											
					Miscellaneous First Bedrock Jordan Sandstone Aquifer Jordan-St. Last Strat St.Lawrence Formation Depth to Bedrock 12 ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 453574 Y 4953567 Unique Number Verification Input Date 01/01/1990																											
Remarks					Angled Drill Hole																											
					Well Contractor Hartmann Well Co. 40174 Licensee Business Lic. or Reg. No. Name of Driller																											

213577

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 02/11/1988
 Update Date 08/18/2014
 Received Date

Well Name FLOOD, DICK	Township 115	Range 23	Dir Section W 33	Subsection DCCAAC	Well Depth 369 ft.	Depth Completed 369 ft.	Date Well Completed 03/00/1973
Elevation 760 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)	Drill Method Non-specified Rotary		Drill Fluid			
Address					Use irrigation	Status Active	
Contact JORDAN MN					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/> From To		
Stratigraphy Information					Casing Type Step down Joint		
					Drive Shoe? Yes <input type="checkbox"/> No <input type="checkbox"/> Above/Below		
Geological Material					Casing Diameter Weight		
		From	To (ft.)	Color	Hardness		
SAND		0	20			12 in. To 124 ft.	lbs./ft.
LIMESTONE		20	23			18 in. To 29 ft.	lbs./ft.
LIMESTONE		23	30				
SANDSTONE		30	110				
SHALE		110	113				
SHALE		113	124				
SANDSTONE & SHALE		124	152				
SHALE		152	171				
SHALE		171	216				
SANDSTONE & SHALE		216	295				
SANDSTONE		295	297				
SANDSTONE		297	369				
					Open Hole From 124 ft. To 369 ft.		
					Screen? <input type="checkbox"/> Type Make		
					Static Water Level		
					43.3 ft. land surface Measure 06/04/1999		
					Pumping Level (below land surface)		
					Wellhead Completion		
					Pitless adapter manufacturer Model		
					<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified		
					Nearest Known Source of Contamination		
					feet Direction Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed		
					Manufacturer's name		
					Model Number HP Volt		
					Length of drop pipe ft Capacity g.p. Typ		
					Abandoned		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Variance		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Miscellaneous		
					First Bedrock Jordan Sandstone Aquifer multiple		
					Last Strat Wonewoc Sandstone Depth to Bedrock 20 ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)		
					System UTM - NAD83, Zone 15, Meters X 453213 Y 4952058		
					Unique Number Verification Information from Input Date 01/01/1990		
					Angled Drill Hole		
					Well Contractor		
					Thein Well Co. 55079 VAN HOUTEN, D		
					Licensee Business Lic. or Reg. No. Name of Driller		

544957

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 06/13/1996
 Update Date 08/18/2014
 Received Date

Well Name HEILING, JIM	Township 115	Range 23	Dir Section W 34	Subsection BCDBCA	Well Depth 281 ft.	Depth Completed 281 ft.	Date Well Completed 07/18/1995
Elevation 775 ft.	Elev. Method CALC FROM 2-FOOT COUNTY DEM		Drill Method Non-specified Rotary		Drill Fluid Qwik gel		
Address C/W 15375 MINN. VALLEY BLUFF DR SHAKOPEE MN 55379					Use domestic	Status Active	
Stratigraphy Information					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/> From To		
Geological Material From To (ft.) Color Hardness					Casing Type Single casing Joint Welded		
SOIL 0 4 BLACK SOFT					Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Above/Below		
CLAY 4 11 YELLOW MEDIUM					Casing Diameter Weight Hole Diameter		
SAND GRAVEL CLAY 11 198 BROWN MEDIUM					4 in. To 234 ft. 11 lbs./ft. 8 in. To 234 ft.		
ST. LAWRENCE, SHALE 198 222 GREEN HARD					4 in. To 281 ft.		
FRANCONIA 222 281 GRY/BLK MEDIUM					Open Hole From 234 ft. To 281 ft.		
					Screen? <input type="checkbox"/> Type Make		
					Static Water Level 49 ft. land surface Measure 07/18/1995		
					Pumping Level (below land surface)		
					Wellhead Completion Pitless adapter manufacturer MERRILL Model SPK <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To neat cement 3 Cubic yards 0 ft. 234 ft.		
					Nearest Known Source of Contamination 71 feet West Direction Septic tank/drain field Type Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed 07/19/1995 Manufacturer's name AERMOTOR Model Number A12B-75 HP 0.75 Volt 230 Length of drop pipe 189 ft Capacity 12 g.p. Typ Submersible		
					Abandoned Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Miscellaneous First Bedrock Tunnel City/Lone Rock Fm Aquifer Tunnel City/Lone Last Strat Tunnel City/Lone Rock Fm Depth to Bedrock 198 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 454141 Y 4952793 Unique Number Verification Address verification Input Date 12/03/2004		
Remarks					Angled Drill Hole		
					Well Contractor Gary's Well Co. 70417 SCHWICH, G. Licensee Business Lic. or Reg. No. Name of Driller		
Minnesota Well Index Report					544957		Printed on 12/06/2018 HE-01205-15

544964

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 06/13/1996
 Update Date 08/18/2014
 Received Date

Well Name BRANDEL, JOHN 115	Township 23	Range W 34	Dir Section CBAABA	Subsection CBAABA	Well Depth 301 ft.	Depth Completed 301 ft.	Date Well Completed 09/08/1995
Elevation 801 ft.	Elev. Method CALC FROM 2-FOOT COUNTY DEM				Drill Method Non-specified Rotary	Drill Fluid Qwik gel	
Address C/W 15505 MINN. VALLEY BLUFF DR SHAKOPEE MN 55379					Use domestic	Status Active	
Stratigraphy Information					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/>	From To	
Geological Material From To (ft.) Color Hardness					Casing Type Single casing	Joint Welded	
SAND & GRAVEL 0 172 BROWN MEDIUM					Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Above/Below	
CLAY & GRAVEL 172 217 GRAY MEDIUM					Casing Diameter 4 in. To 239 ft. 11 lbs./ft.		
ST. LAWRENCE, SHALE 217 228 GREEN HARD					Hole Diameter 8 in. To 239 ft. 4 in. To 301 ft.		
FRANCONIA 228 301 GRY/GRN MEDIUM					Open Hole From 239 ft. To 301 ft.		
					Screen? <input type="checkbox"/>	Type Make	
					Static Water Level 71 ft. land surface Measure 09/11/1995		
					Pumping Level (below land surface)		
					Wellhead Completion Pitless adapter manufacturer MERRILL Model SPK <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified Material Amount From To neat cement 2.5 Cubic yards 0 ft. 239 ft.		
					Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed 09/11/1995 Manufacturer's name AERMOTOR Model Number A12B-75 HP 0.75 Volt 230 Length of drop pipe 168 ft Capacity 12 g.p. Typ Submersible		
					Abandoned Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Miscellaneous First Bedrock St.Lawrence Formation Aquifer Tunnel City/Lone Last Strat Tunnel City/Lone Rock Fm Depth to Bedrock 217 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 454249 Y 4952631 Unique Number Verification Address verification Input Date 12/03/2004		
Remarks FORMER OWNERS DAVE & DAWN REINKE.					Angled Drill Hole		
					Well Contractor Gary's Well Co. 70417 SCHWICH, G. Licensee Business Lic. or Reg. No. Name of Driller		
Minnesota Well Index Report					544964		Printed on 02/05/2019 HE-01205-15

569344

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 07/29/1998
 Update Date 02/14/2014
 Received Date

Well Name NRG	Township 115	Range 23	Dir Section W 28	Subsection DCCDBA	Well Depth 162 ft.	Depth Completed 162 ft.	Date Well Completed 05/08/1996																														
Elevation 738 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)				Drill Method Non-specified Rotary	Drill Fluid Bentonite																															
Address Well 14800 JOHNSON MEMORIAL DR SHAKOPEE MN					Use domestic	Status Active																															
Stratigraphy Information					Well Hydrofractured? Yes <input type="checkbox"/> No <input type="checkbox"/>	From To																															
<table border="1"> <thead> <tr> <th>Geological Material</th> <th>From</th> <th>To (ft.)</th> <th>Color</th> <th>Hardness</th> </tr> </thead> <tbody> <tr> <td>CLAY WITH ROCKS</td> <td>0</td> <td>17</td> <td>GRAY</td> <td></td> </tr> <tr> <td>SAND ROCK/GRAVEL</td> <td>17</td> <td>36</td> <td></td> <td></td> </tr> <tr> <td>SHAKOPEE ROCK</td> <td>36</td> <td>45</td> <td></td> <td>HARD</td> </tr> <tr> <td>SAND ROCK/SHALE</td> <td>45</td> <td>90</td> <td>YELLOW</td> <td>SOFT</td> </tr> <tr> <td>ROCK/SHALE</td> <td>90</td> <td>162</td> <td>GREEN</td> <td>HARD</td> </tr> </tbody> </table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY WITH ROCKS	0	17	GRAY		SAND ROCK/GRAVEL	17	36			SHAKOPEE ROCK	36	45		HARD	SAND ROCK/SHALE	45	90	YELLOW	SOFT	ROCK/SHALE	90	162	GREEN	HARD	Casing Type Single casing	Joint	
Geological Material	From	To (ft.)	Color	Hardness																																	
CLAY WITH ROCKS	0	17	GRAY																																		
SAND ROCK/GRAVEL	17	36																																			
SHAKOPEE ROCK	36	45		HARD																																	
SAND ROCK/SHALE	45	90	YELLOW	SOFT																																	
ROCK/SHALE	90	162	GREEN	HARD																																	
					Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Above/Below																															
					Casing Diameter 6 in.	Weight 99.8 ft. lbs./ft.	Hole Diameter 12 in. To 86 ft. 7.5 in. To 99 ft. 4.5 in. To 162 ft.																														
					Open Hole From 99.7 ft. To 162 ft.																																
					Screen? <input type="checkbox"/>	Type Make																															
					Static Water Level 30 ft. land surface	Measure 04/19/1996																															
					Pumping Level (below land surface) ft. hrs. Pumping at 200 g.p.m.																																
					Wellhead Completion Pitless adapter manufacturer	Model																															
					<input type="checkbox"/> Casing Protection	<input type="checkbox"/> 12 in. above grade																															
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																																
					Grouting Information Material neat cement	Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified	Amount From To ft. 99.7 ft.																														
					Nearest Known Source of Contamination 60 feet North Direction Body of water Type																																
					Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																
					Pump <input type="checkbox"/> Not Installed	Date Installed 05/08/1996																															
					Manufacturer's name FLINT AND WALLING	Model Number HP 5 Volt																															
					Length of drop pipe 63.2 ft	Capacity g.p.	Typ Submersible																														
					Abandoned Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																
					Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																
					Miscellaneous First Bedrock Jordan Sandstone Aquifer Jordan-St. Last Strat Jordan-St.Lawrence Depth to Bedrock 36 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 453221 Y 4953544 Unique Number Verification Tag on well Input Date 07/13/2005																																
Remarks					Angled Drill Hole																																
					Well Contractor Torgerson Well Co. 27056 TORGERSON, R. Licensee Business Lic. or Reg. No. Name of Driller																																

620608

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 11/07/2001
 Update Date 09/03/2014
 Received Date 11/24/1998

Well Name EASTLICK, KENT 115	Township 23	Range W 34	Dir Section BCADBB	Subsection Elevation 859 ft. Elev. Method CALC FROM 2-FOOT COUNTY DEM	Well Depth 420 ft.	Depth Completed 420 ft.	Date Well Completed 10/19/1998
Address Well 15311 MINN. VALLEY BLUFF DR SHAKOPEE MN 55379					Drill Method Non-specified Rotary	Drill Fluid Water	
Stratigraphy Information					Use domestic	Status Active	
Geological Material From To (ft.) Color Hardness					Well Hydrofractured? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> From To		
CLAY 0 10 BROWN MEDIUM					Casing Type Single casing Joint Threaded		
CLAY, ROCKS & SAND 10 75 BROWN MED-HRD					Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Above/Below		
SANDY CLAY 75 140 BROWN MEDIUM					Casing Diameter Weight Hole Diameter		
CLAY, SAND LAYERS & SHALE 140 266 MEDIUM					4 in. To 275 ft. 11 lbs./ft. 6.5 in. To 275 ft.		
SHALE 266 387 BLU/GRN HARD					4 in. To 420 ft.		
SANDROCK 387 420 WHITE MEDIUM					Open Hole From 275 ft. To 420 ft.		
					Screen? <input type="checkbox"/> Type Make		
					Static Water Level 131 ft. land surface Measure 10/15/1998		
					Pumping Level (below land surface)		
					Wellhead Completion Pitless adapter manufacturer MONITOR Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To high solids bentonite 5 Sacks 0 ft. 275 ft.		
					Nearest Known Source of Contamination 50 feet South Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed 10/15/1998 Manufacturer's name AERMOTOR Model Number A12-75 HP 0.75 Volt 230 Length of drop pipe 162 ft Capacity 12 g.p. Typ Submersible		
					Abandoned Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					Miscellaneous First Bedrock Tunnel City/Lone Rock Fm Aquifer Tunnel City- Last Strat Wonevoc Sandstone Depth to Bedrock 266 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 454211 Y 4952928 Unique Number Verification Address verification Input Date 12/03/2004		
Remarks THE SEALED WELL FOR THIS ABOVE ADDRESS IS MINN STATE #H-276977					Angled Drill Hole		
					Well Contractor Hartmann Well Co. 40174 PETERSON, D. Licensee Business Lic. or Reg. No. Name of Driller		
Minnesota Well Index Report					620608		Printed on 12/06/2018 HE-01205-15

633567

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 04/20/2000
 Update Date 05/02/2005
 Received Date

Well Name	Township	Range	Dir Section	Subsection	Well Depth	Depth Completed	Date Well Completed
THUENING,	115	23	W 34	BCDDBC	155 ft.	155 ft.	10/10/1999
Elevation	793 ft.	Elev. Method	CALC FROM 2-FOOT COUNTY DEM				
Address					Use	Status	
Contact 712 4TH ST W CARVER MN 55315					domestic	Active	
Well 15499 MINN. VALLEY BLUFF DR SHAKOPEE MN 55379					Well Hydrofractured?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Stratigraphy Information					Casing Type	Joint	
Geological Material					Single casing	Above/Below	
From To (ft.) Color Hardness					Drive Shoe?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
SAND 0 48 BROWN SOFT					Casing Diameter	Weight	
CLAY & SAND 48 82 GRAY SOFT					4 in. To	145 ft. 1.9 lbs./ft.	Hole Diameter
SAND & CLAY 82 144 BROWN SOFT					8.5 in. To 30 ft.		
SAND 144 155 BROWN SOFT					6.2 in. To 155 ft.		
Open Hole					From	ft.	To
Screen? <input checked="" type="checkbox"/>					Type	plastic	Make
Diameter					Slot/Gauze	Length	Set
4 in.					15	10 ft.	145 ft. 155 ft.
Static Water Level					75 ft.	land surface	Measure 10/10/1999
Pumping Level (below land surface)					80 ft.	1 hrs.	Pumping at 40 g.p.m.
Wellhead Completion					Pitless adapter manufacturer	WHITEWATER	Model SU45.5
<input type="checkbox"/>					Casing Protection	<input type="checkbox"/>	12 in. above grade
<input type="checkbox"/>					At-grade (Environmental Wells and Borings ONLY)		
Grouting Information					Well Grouted?	<input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Material					Amount	From	To
high solids bentonite					4 Sacks	0 ft.	30 ft.
Nearest Known Source of Contamination					120 feet	Northeas	Direction
Well disinfected upon completion?					<input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No
Pump					<input type="checkbox"/>	Not Installed	Date Installed
Manufacturer's name					AERMOTOR		
Model Number					HP	0.75	Volt 220
Length of drop pipe					105 ft	Capacity 12 g.p.	Typ Submersible
Abandoned					Does property have any not in use and not sealed well(s)?		
					<input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No
Variance					Was a variance granted from the MDH for this well?		
					<input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No
Miscellaneous					First Bedrock	Aquifer	Quat. buried
Last Strat					sand-brown	Depth to Bedrock	ft
Located by					Minnesota Geological Survey		
Locate Method					Digitization (Screen) - Map (1:24,000) (15 meters or		
System					UTM - NAD83, Zone 15, Meters	X 454217	Y 4952703
Unique Number Verification					Address verification	Input Date	12/03/2004
Angled Drill Hole							
Well Contractor					Leuthner Well Co.	10125	LEUTHNER, M.
Licensee Business					Lic. or Reg. No.	Name of Driller	

705100

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 10/15/2004
 Update Date 05/02/2005
 Received Date 02/09/2004

Well Name BOEGEMANN,	Township 115	Range 23	Dir Section W 34	Subsection BBDDCB	Well Depth 308 ft.	Depth Completed 308 ft.	Date Well Completed 01/12/2004
Elevation 915 ft.	Elev. Method 7.5 minute topographic map (+/- 5 feet)				Drill Method Non-specified Rotary	Drill Fluid Water	
Address C/W 2771 150 ST W SHAKOPEE MN 55379					Use domestic	Status Active	
Stratigraphy Information					Well Hydrofractured? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	From To	
Geological Material					Casing Type Single casing	Joint Threaded	
From To (ft.) Color Hardness					Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Above/Below	
CLAY 0 5 BROWN MEDIUM					Casing Diameter 40 in. To	Weight 303 ft. 11 lbs./ft.	Hole Diameter 6 in. To 302 ft.
SAND-ROCKY 5 40 BROWN MEDIUM					Open Hole From ft. To ft.		
CLAY 40 146 BLUE HARD					Screen? <input checked="" type="checkbox"/>	Type stainless	Make JOHNSON
CLAY-ROCKY 146 190 BLUE HARD					Diameter 3.5 in.	Slot/Gauze 15	Length 5 ft.
CLAY & SAND LAYERS 190 280 BROWN HARD					Set 303 ft.	To 308 ft.	
SAND 280 308 BROWN MEDIUM					Static Water Level 190 ft. land surface Measure 12/31/2003		
Pumping Level (below land surface)							
Wellhead Completion							
Pitless adapter manufacturer MONITOR Model							
<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade							
<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)							
Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified							
Material Amount From To							
high solids bentonite 8 Sacks 0 ft. 150 ft.							
cuttings 150 ft. 302 ft.							
Nearest Known Source of Contamination							
55 feet Southwest Direction Septic tank/drain field Type							
Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Pump <input type="checkbox"/> Not Installed Date Installed 01/12/2004							
Manufacturer's name AERMOTOR							
Model Number A12-150 HP 1.5 Volt 230							
Length of drop pipe 219 ft Capacity 12 g.p. Typ Submersible							
Abandoned							
Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Variance							
Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Miscellaneous							
First Bedrock Aquifer Quat. buried							
Last Strat sand-brown Depth to Bedrock ft							
Located by Minnesota Geological Survey							
Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or							
System UTM - NAD83, Zone 15, Meters X 454196 Y 4953092							
Unique Number Verification Address verification Input Date 12/03/2004							
Angled Drill Hole							
Well Contractor							
Hartmann Well Co. 40174 PETERSON, D.							
Licensee Business Lic. or Reg. No. Name of Driller							
Remarks							
Minnesota Well Index Report					705100		
					Printed on 12/06/2018 HE-01205-15		

614814

County Scott
 Quad Jordan East
 Quad ID 90A

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING REPORT
 Minnesota Statutes Chapter 1031

Entry Date 11/07/2001
 Update Date 05/02/2005
 Received Date

Well Name MULLIN, JOE &	Township 115	Range 23	Dir Section W 34	Subsection BBDABB	Well Depth 260 ft.	Depth Completed 260 ft.	Date Well Completed 09/18/1998
Elevation 929 ft.	Elev. Method CALC FROM 2-FOOT COUNTY DEM				Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Address					Use domestic	Status Active	
Well 2775 150TH ST W SHAKOPEE MN 55379					Well Hydrofractured? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> From To		
Contact 16477 JORDAN AV JORDAN MN 55352					Casing Type Single casing Joint		
Stratigraphy Information					Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Above/Below		
Geological Material	From	To (ft.)	Color	Hardness	Casing Diameter Weight Hole Diameter		
SANDY CLAY	0	30	YEL/BRN		4 in. To	252 ft. 11 lbs./ft.	6.2 in. To 260 ft.
CLAY	30	85	GRAY				
BOULDER	85	86					
CLAY	86	155	GRAY				
SANDY CLAY	155	260	WHT/GRY				
					Open Hole From ft. To ft.		
					Screen? <input checked="" type="checkbox"/> Type stainless Make JOHNSON		
					Diameter Slot/Gauze Length Set		
					3 in. 12 8 ft. 252 ft. 260 ft.		
					Static Water Level		
					195 ft. land surface Measure 09/18/1998		
					Pumping Level (below land surface)		
					ft. hrs. Pumping at 20 g.p.m.		
					Wellhead Completion		
					Pitless adapter manufacturer WHITEWATER Model SU4		
					<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		
					<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
					Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified		
					Material Amount From To		
					high solids bentonite 2 Sacks 10 ft. 40 ft.		
					Nearest Known Source of Contamination		
					30 feet South Direction Storage areas Type		
					Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
					Pump <input type="checkbox"/> Not Installed Date Installed 10/08/1998		
					Manufacturer's name FLINT & WALLING		
					Model Number HP 1 Volt 220		
					Length of drop pipe 231 ft Capacity 10 g.p. Typ Submersible		
					Abandoned		
					Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					Variance		
					Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
					Miscellaneous		
					First Bedrock Aquifer Quat. buried		
					Last Strat clay+sand Depth to Bedrock ft		
					Located by Minnesota Geological Survey		
					Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or		
					System UTM - NAD83, Zone 15, Meters X 454214 Y 4953231		
					Unique Number Verification Address verification Input Date 12/03/2004		
					Angled Drill Hole		
					Well Contractor		
					Bohn Well Co. 70350 VON BANK, B.		
					Licensee Business Lic. or Reg. No. Name of Driller		